U.S. Department of Transportation
Federal Aviation Administration

Advisory Circular

FAR GUIDANCE MATERIAL

Subject:	AIRCRAFT ENGINE TYPE CERTIFICATION HANDBOOK	Date: 06/30/93	AC No: 33-2B
		Initiated by: ANE-110	Change:

1. PURPOSE. This advisory circular (AC) provides methods acceptable to the Administrator for showing compliance with the type certification requirements of aircraft engines in Part 33, inclusive through amendment 12, of the Federal Aviation Regulations (FAR). The procedures and guidance material provided in this AC may be used by an applicant seeking issuance of a type certificate, an amended type certificate, or a supplemental type certificate for the initial approval of a new type design, or a change in the type design. Consideration will be given to any other method of compliance the applicant elects to present. This information is not in itself mandatory, but serves as a guide to engine manufacturers, engine modifiers, and Federal Aviation Administration (FAA) engine type certification engineers. Individuals should be guided by the intent of the methods provided in this AC.

2. CANCELLATION. This revision supersedes AC 33-2A, "Aircraft Engine Type Certification Handbook," dated June 5, 1972.

3. RELATED FAR SECTIONS. FAR Parts 21, 23, 25, 27, 29, 33, and 45.

4. RELATED READING MATERIAL. FAA Order 8100.5, "Aircraft Certification Directorate Procedures," dated October 1, 1982; and FAA Order 8110.4, "Type Certification," dated December 28, 1967 (Consolidated with Changes 1 through 23, June 1985).

5. BACKGROUND.

a. AC 33-2A, dated June 5, 1972, was published as the "Aircraft Engine Type Certification Handbook." The material therein principally addressed guidance on the procedural aspects of Part 21, but offered very little guidance for Part 33. However, the last sentence of the "PURPOSE" paragraph did state, "The remaining chapters of the handbook pertaining to the design and testing of turbine and reciprocating engines will be issued as they become available."

b. This revision updates and presents the existing procedural information within Chapter 2, and incorporates, within Chapter 3,

engine type certification rules and guidance material which has since been developed. The appendixes provide turbine and reciprocating engine model descriptions, an index of guidance material and references, and a glossary of acronyms and abbreviations.

for JACK A. SAIN
Manager, Engine and Propeller Directorate
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